

KIRICHINSKIY, B.R.; ROYTRUB, B.A.; BOGATYREV, M.G.

Infrared luminescence of dyes adsorbed with proteins on paper. Lab.
delo 5 no.5:21-23 S-0 '59. (MIRA 12:12)

1. Iz Respublikanskogo psikhonervvrologicheskogo gosspitalya invalidov
Otechestvennoy voyny (nachal'nik gosspitalya P.D. Filipenko).
(BLOOD PROTEINS) (LUMINESCENT SUBSTANCES)
(INFRARED RAYS)

KRUTIKOV, K.T., inzh.; GARINOV, K.A., kand. tekhn. nauk; ITTENBERG, I.A.,
kand. tekhn. nauk; prínimali uchastiye: VAKHTUROV, A.N., starshiy
nauchnyy sotrudnik; VOLKOV, M.V., starshiy nachnyy sotrudnik;
KURTSMAN, L.B., starshiy nachnyy sotrudnik; BOGATYREVA, M.I.,
mláshiy nachnyy sotrudnik; ZABOLOTNEVA, G.K., mladshiy nach-
nyy sotrudnik; NOVIKOVA, V.V., mladshiy nachnyy sotrudnik;
ALEKSEYEVA, T.I., mladshiy nachnyy sotrudnik; PETROVA, I.A.,
mladshiy nachnyy sotrudnik; SEDEL'NIKOVA, A.F., mladshiy
nachnyy sotrudnik; KATKOVA, T.I., inzh.; ZELENKOV, P.A., inzh.;
SIDOROVA, L.N., starshiy laborant; KALASHNIKOVA, V.M., starshiy
laborant; VOYEVODINA, A.Ye., starshiy tekhník; USPENSKAYA, M.B.,
starshiy tekhník; YEPIFANOV, V.K., starshiy tekhník

[Organization of the shipping of transit cargoes on the Volga-
Baltic Sea Waterway.] Organizatsiia perevozok tranzitnykh gruzov
po Volgo-Baltiiskomu vodnomu puti. Moskva, Transport, 1965.
109 p. (Moscow. Tsentral'nyi nachno-issledovatel'skii institut
ekonomiki i ekspluatatsii vodnogo transporta. Trudy, no.40).

MIGOVK, Ye.P. [Mihovk, E.P.]; YERES'KO, V.O. [Ieres'ko, V.O.];
BOGATYREV, M.O. [Bohatyr'ov, M.O.], retsenzent;
FAYNZIL'BERG, S.N., retsenzent; GRINSHPON, F.O.
[Hrinshpon, F.O.], red.; MALYAVKO, A.V. tekhn. red.

[Laboratory work in general heat engineering] Laboratorni
roboty z zahal'noi teplotekhniky. L'viv, Vyd-vo L'vivs'-
koho univ., 1960. 154 p. (MIRA 15:11)

(Heat engineering—Laboratory manuals)

BOGATYREV, N.A.

112-2-2757

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957, Nr 2,
p. 20 (USSR)

AUTHOR: Petrenko, S.I., Bogatyrev, N.A.

TITLE: The Effect of Pressure on Heat Exchange in the Furnace
Fire Box (K voprosu o vliyanii davleniya na teploobmen
v topochnykh kamerakh)

PERIODICAL: Nauch. zap. L'vovsk. politekhn. in-ta, 1955, Nr 32,
pp. 145-162

ABSTRACT: The process of heat exchange is intensified in the fire
boxes of steam boilers and in furnaces under elevated pres-
sure. The effect of the pressure of the medium on the rate
of heat exchange has not been sufficiently studied. Taking
as the point of departure the available sources (VTI,
TSKTI, ENIN), an attempt has been made to establish by

Card 1/2

112-2-2757

The Effect of Pressure on Heat Exchange in the Furnace Fire
Box (Cont.)

calculation the dependence of the principal factors
determining heat exchange rate (the degree of blackness
of the furnace, the absorption coefficient of the flame,
and the coefficient of heat emission of the gases to the
wall) on furnace box pressure. The results obtained have
not been confirmed experimentally. A.A.D.

Card 2/2

KRUSHCHENKO, G.M., doktor tekhn. nauk, prof.; BOGATYREV, N.A., inzh.;
LUKIN, N.I., inzh.

Methods of determining the heat-producing capacity of gas fuels
and comparative analysis of these methods. Izv. vys. ucheb. zav.;
energ. no.4:98-103 Ap '58. (MIRA 11:6)

1. L'vovskiy politekhnicheskii institut.
(Gases) (Calorimetry)

SOV/143-58-10-20/24
AUTHORS: Andriyevskiy, A.I., Antanovich, A.V., Bogatyrev, N.A.,
Glushchenko, I.P., Gubenko, T.P., Zamora, Ye.F., Karan-
deyev, K.B., Lukin, V.I., Lukin, N.I., Maksimovich,
N.G., Mozer, V.F., Petrenko, S.I., Papernyy, Ye.A.,
Privalova, K.A., Sitnitskiy, Yu.I., Stasikov, Ya.T.,
Shchepankevich, B.P., Chuchman, T.S., Yagello, I.M.,
Brilinskiy, B.M., and others

TITLE: G.Ye. Krushel', Deceased

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika,
1958, Nr 10, p 147 (USSR)

ABSTRACT: This is an obituary of Doctor of Technical Sciences,
Professor Georgiy Yevgen'yevich Krushel' of the
L'vovskiy politekhnicheskiiy institute (L'vov Polytech-
nic Institute). Krushel' was born in Moscow in 1912
as the son of an engineer. He died on July 20, 1958
because of an accident. He graduated in 1931 from
the "Proftekhshkola". While working in the industry,
G. Ye. Krushel' studied at the Khar'kovskiy mekhaniko-
mashinostroitel'nyy institut (Khar'kov Institute of

Card 1/3

G.Ye. Krushel', Deceased

SOV/143-58-10-20/24

Mechanics and Machine Building) from which he graduated in 1937. Then he combined the work in the industry with that of an instructor at the aforementioned institute. In 1940, he defended his Candidate's dissertation and in 1956 the Doctor's dissertation. G.Ye. Krushel' became a well-known scientist in the USSR having published more than 80 papers. He worked primarily in the field of theoretical and practical heat engineering. Since 1945, he worked at the L'vov Polytechnic Institute, where a training power plant was built on his initiative. G.Ye. Krushel' worked together with workers of YuZh OGRES conducting detailed theoretical and experimental investigations concerning the accelerated starting of the boiler-turbine units at thermal power plants, proving the economical advantage of loading the turbine without bringing the steam pressure up to the nominal rating. Krushel' is one of the inventors of the evaporation cooling of open hearth furnaces. Further, he investigated

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, G.Ye. Krushel', Deceased

SOV/143-58-10-20/24

extensively prime movers for the feed pumps of high-power boiler-turbine units. Besides research work, Krushel' devoted his attention to the training of engineers in his field. The Soviet Union lost one of its foremost scientists. There is 1 photograph.

Card 3/3

BOGATYREV, N.F., mashinist-instruktor; ALEKSANDROV, V.N., mashinist, deputat
Ufinskogo gorsoveta

Need for an improvement of the design of N8 electric locomotives.
Elek.i tepl.tiaga 6 no.1:43-44 Ja '62. (MIRA 15:1)

1. Depo Dema Kuybyshevskoy dorogi.
(Electric locomotives--Design and construction)

BOGATYREV, N.F., mashinist-instruktor; TYUTEREV, L.I., mashinist
elektrovoza

Characteristics of the operation of N8 electric locomotives in
winter. Elek.i tepl.tiaga 6 no.2:3-4 F '62. (MIRA 15:2)

1. Depo Dama Kuybyshevskoy dorogi (for Bogatyrev).
(Electric locomotives--cold weather operations)

ACC NR: AP6033488

SOURCE CODE: UR/0413/66/000/018/0108/0108

INVENTOR: Bogatyrev, N. I.; Mironov, V. M.; Vereitinov, I. L.

ORG: none

TITLE: Device for measuring the exit diameter of an exhaust nozzle.
Class 42, No. 186146

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 108

TOPIC TAGS: exhaust nozzle, variable area nozzle, nozzle design, ~~variable area exhaust nozzle~~

ABSTRACT: The proposed device for measuring the exit diameter of a variable-area exhaust nozzle is equipped with measuring rods (see Fig. 1). In order to increase the inspection efficiency, the measuring rods are placed in a block of cylinders radially arranged in one plane. The working medium, such as the air, is fed to the cylinders and the number of the measuring rods is equal to the number of exhaust nozzle eyelids. Orig. art. has: 1 figure. [WA No. 76]

Card 1/2

UDC: 531.717.12:533.695.7

ACC NR: AP6033488.

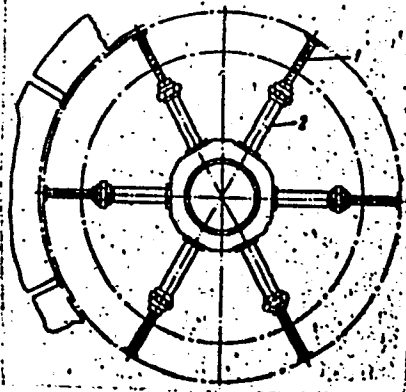


Fig. 1. Exhaust nozzle diameter measuring device

1 - Measuring rods; 2 - cylinders.

SUB CODE: 21/ SUBM DATE: 27Jan65

Card 2/2

NEELIN, V.I., kand. tekhn. nauk; TUKTAYEV, I.I., kand. tekhn. nauk;
BOGATYREV, N.Ya., inzh.

Operation of the brush contact of an electrical machine at
increased current densities. Elektrotehnika 35 no.7:39 '64.
(MIRA 17:11)

NELLIN, V.I., kand. tekhn. nauk; TUKTAYEV, I.I., kand. tekhn. nauk;
BOGATYREV, N.Ya., inzh.

Concerning the article "Vibration of the brush assembly".
Elektrotehnika 35 no.10:35-36 0 '64.

(MIRA 17:11)

KARASEV, M.F., doktor tekhn.nauk, prof.; BOGATYREV, N.Ya., inzh.

Distribution of losses in the brush contact of d.c. machinery.

Trudy OMIIT 40:173-182 '63.

(MIRA 18:8)

L 1692-66 ENT(1)/EPA(s)-2

ACCESSION NR: AP5017464

UR/0144/65/000/006/0683/0689/8
621.313.044.62

AUTHOR: Bogatyrev, N. Ya. (Chief of dept); Kozolapov, I. T. (Chief of laboratory);
Lozhkin, L. V. (Chief of laboratory)

TITLE: Methods of determining the wear of electric-machine brushes

SOURCE: IVUZ. Elektromekhanika, no. 6, 1965, 683-689

TOPIC TAGS: electric machine brush

ABSTRACT: Brush-wear-determining methods are subdivided into two groups: (1) Those requiring the machine shutdown and (2) Those permitting continuous wear measurement without the machine shutdown. Based on the Western sources (Engineer, 1961, 212, no. 5520, "Carbon Brush Conference"), a brief review of the methods is offered. Two methods of the second group -- induction-sensor and strainometer -- are considered in some detail. Wire-type strainometers with a 20-cm base and 200-ohm resistance were used in studying the wear of 6 brushes simultaneously. A wear-time experimental curve for a G-2 carbon brush is shown. It is believed that strainometers can operate at frequencies up to 50 kc and at temperatures between -100 and +800C. Orig. art. has: 7 figures.

Cord 1/2

L 1692-66

ACCESSION NR: AP5017464

ASSOCIATION: Tomskiy filial, Vsesoyuznyy nauchno-issledovatel'skiy institut
elektromekhaniki (Tomsk Branch, All-Union Scientific Research Electromechanical
Institute)

SUBMITTED: 05Aug63

ENCL: 00

SUB CODE: EE

NO REF SOV: 002

OTHER: 001

Card 2/2

L 1691-66 EWT(1)/EPA(s)-2

ACCESSION NR: AP5017465

UR/0144/65/000/006/0690/0693
621.3.047.4+621.313

AUTHOR: Tuktayev, I. I. (Candidate of technical sciences, Senior research associate); Bogatyrev, N. Ya. (Chief of dept)

TITLE: Effect of the brush-contact shape on the operation of a flat sliding contact

SOURCE: IVUZ. Elektromekhanika, no. 6, 1965, 690-693

TOPIC TAGS: electric machine brush

ABSTRACT: Actual commutation time was measured at 750-1500 rpm, with a current density of 4--17 amp/cm², and 2--6 turns in the armature coil; the commutation time for a disk-type commutator was found to be 1.5--3 times as long as that for a cylindrical commutator. The effect of the brush contacting-surface shape on commutation (sparking) was studied* on a MGS-7, 8x20x26-mm rectangular-cross-section brush whose shape was successively reduced to a semi-circle, a trapezoid, a rhomb, a circle, and a triangle, the sparking diminishing in the above order of shapes. On a disk-type commutator, at current densities up to 30 amp/cm², the rectangular cross-section brush exhibited considerably smaller sparking than a trapezoid brush whose shape followed the disk-commutator-bar shape.

Cord 1/2

L 1691-66

ACCESSION NR: AP5017465

Orig. art. has: 4 figures.

* Jointly with L. V. Lobashevskiy.

ASSOCIATION: Tomskiy filial, Vsesoyuznyy nauchno-issledovatel'skiy institut elektromekhaniki (Tomsk Branch, All-Union Scientific Research Elektromechanical Institute)

SUBMITTED: 14Jan64

ENCL: 00

SUB CODE: EE

NO REF SOV: 004

OTHER: 001

Card 2/2

BOGATYREV, O.

Czechoslovakia /Chemical Technology. Chemical Products H-5
and Their Application
Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1645

Author : Bogatyrev O.

Title : Oxidability of Different Phenols.

Orig Pub: Voda, 1956, 35, No 10, 322-326

Abstract: A verification has been carried out of the different methods for determining the oxidability of phenol, o-cresol, mixture of xylenols and of pyrocatechol. It is recommended to determine the oxidability of surface waters by the method of Kubel, that of sewage water and heavily polluted surface water by the method of Fowler. The chromate method, in which the phenols are oxidized

Card 1/2

Czechoslovakia /Chemical Technology. Chemical Products H-5
and Their Application
Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1645

to the extent of 96-98%, is poorly adapted for
series analyses, because of its cumbersome
nature..

Card 2/2

BOGATYREV, O. ROZHSCHIEN, R.

Toxic properties of waste waters from rayon production. p. 100.

(Voda. Vol. 36, no. 4, Apr. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

BOGATYREV O.

COUNTRY : Czechoslovakia
CATEGORY :

B-3

ABS. JOUR. : AZKhim., No. 20 1959, No. 71853

AUTHOR : Bogatyrev, O.

NOTE :

TITLE : The Problem of Organic Substances in Sewage
of Viscose Fiber Production

ORIG. PUB. : Vodohospod. casop., 1958, 6, No 1, 69-81

ABSTRACT : The sewage is characterized by high concentration of organic and inorganic admixtures. Amount of organic substances discharged into sewage per 1 ton of fiber is: a) insolubles (cellulose and hemicellulose which coagulates in acid medium) 110 kg, b) dissolved (mostly lower polymers of hemicellulose, and various monosaccharides which remain in colloidal state or in solution in an acidic medium) 38.5 - 44.0 kg (recomputed as BOD₅) or 50.45 kg (recomputed as ChOD). Principal inorganic admixtures are sulfates (mostly Na₂SO₄), free H₂SO₄, H₂S, CS₂, SO₂. Of the organic admixtures, the insolubles are most detrimental in bodies of water. On assuming that the

CARD: 1/2

BOGATYREV, O. ; NANACKOVE-ZEKEOVA, Z.

Waste water from the Production of sulfate cellulose. p. 267.

VODNI HOSPODARSTVI. (Ministerstvo energetiky a vodniho hospodarstvi
a Vedecka technicka spolecnost pro vidni hospodarstvi) Praha,
Czechoslovakia, No. 6, June 1959.

Monthly List of East European Accession (EEAI), LC Vol. 9, no. 2,
Feb. 1960.

Uncl.

BOGATYREV, O., NANACKOVA-ZEKEOVA, Z.

Properties of the waste water from the sulfate-cellulose production; p. 305.

VODNI HOSPODARSTVI. Czechoslovakia, No. 7, July 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, Sep 1959
Uncl.

BOGATYREV, Oleg, inz., C.Sc.

Problem of sewage waters in Czechoslovakia. Tech praca 14 no.2:
93-97 F '62.

1. Vyskumny ustav vodohospodarsky, Bratislava.

BOGATYREV, Oleg, inz., CSc.

Waste water from the new chemical plants. Vodni hosp 13 no.9:
333-334 '63.

1. Vyskumny ustav vodohospodarsky, Bratislava.

BOGATYREV, Oleg, inz., CSc.

Purification of waste waters from sulfate cellulose plants
by biological treatment. Vodni hosp 14 no. 1:15-18 '64.

1. Vyskumny ustav vodehospodarsky, Bratislava.

15048-10000
Regalyev, O. M. A grapho-analytic method of solving
algebraic equations of high degree

SA

621.3.014.33

2072. Method of calculating the transient current due to a periodic a.m.f. of arbitrary form. O. M. Bunkarova, *Elektricheskoe*, No. 1, 53-7 (Jan., 1951) In Russian.

The obvious method of Fourier representation of the a.m.f. and determination of the current harmonics, considering the corresponding, different, inductive and capacitive reactances, with subsequent harmonic synthesis, is exceedingly laborious and not very accurate. The author's method is based on an elementary derivation and uses the Duhamel integral, between convenient limits. The currents produced by individual periodically repeated impulses are determined and then summed. Fully calculated examples treat saw-tooth and square-wave shaped a.m.f.'s. A complete derivation of the formulae is given.

B. F. KRAUS

B64
a

Moscow Power Eng. Inst. in Molotov

ASH 31.8 METALLURGICAL LITERATURE CLASSIFICATION

FROM: 31.8
TO: 31.8

31.8.014.33

31.8.014.33

BOGATYREV, O. M.

USSR/Electricity - Conductors Heating Nov 51

"Calculation of the Short-Circuit Heating of Conductors," O. M. Bogatyrev, Moscow Power Eng Inst Imen' Molotov

"Elektrichestvo" No 11, pp 73-75

Proposes that the short-circuit heating effect be calcd directly from the integral $\int_0^2 I_{kt}^2 dt$, using a simple method.

Shows that the use of fictitious time curves can lead to major errors, especially

201T67

USSR/Electricity - Conductors (Contd) Nov 51

When the short-circuit current consists of sep components whose damping characteristics are quite different. Submitted 21 Mar 51.

201T67

BOGATYREV, O. M.

PA 237T34

USSR/Electricity - Circuit Theory

Jul 52

"Improvement of Methods for Calculating Transient Processes in Linear Electrical Circuits With Lumped Constants," O. M. Bogatyrev, Moscow Power Eng Inst imeni Molotov

"Elektrichestvo" No 7, pp 64-70

Proposes uniform procedure for calcg transient processes in linear circuits of higher order (beginning with 2nd) with lumped constants when there are emfs varying according to different laws. Application of proposed procedure is demonstrated in examples. Submitted 18 Apr 50.

237T34

BOGATYREV, O.M., assistant

~~Simple method for determining mutual conductances of a quadripole.~~
Trudy MEI no.14:73-77 '53. (MIRA 8:7)
(Electric networks)

BOGATYREV, O.M.

Elementary method of calculating linear electric circuits. Elektrichestvo
'53, No.4, 66-70. (MLRA 6:4)
(EZA 56 no.672:4692 '53)

1380. Elementary method of calculating non-linear electric and magnetic circuits. G. M. BOGATREY. *Elektrichestvo*, 1954, No. 2, 57-63. ~~and references~~

The basis of the method is to regard one numerical value of the unknown quantities as given, e.g. the potential of one nodal point, and to calculate the value of another unknown by elementary computations, e.g. the potential of another nodal point. This may be done in different ways, namely, by approaching

the node from the left-hand or right-hand side of the circuit, and both approaches will yield different results. Repeating the procedure for another assumed value of the first quantity, two new values for the second quantity are obtained, and the trend of the difference will be easily recognized by plotting or tabulating the data. After a few similar steps coincidence of the values of the second quantity will be obtained, most rapidly by graphical methods. In an analogous way the method may be applied to more complicated circuit computations. The author illustrates the method by 4 examples, including two bridge circuits with up to 4 nodes and one with a quadrupole type circuit with 5 nodes and 4 elements. Two numerical examples are completely worked out. S. F. KALIN

39

1381. GENERAL METHOD OF SOLVING PROBLEMS OF
LINEAR CIRCUITS THE BRANCHES OF WHICH CONTAIN
VARIABLE RESISTANCES O.M. Popov

Elektrichestvo, 1958 No. 10, p. 10, 11.

It is suggested to apply the method of
superposition to solve the problem.

1. To obtain the equations required by
superposition. The equations formed by
three branches with variable resistances

$E_1 = I_1 R_1 + I_2 R_2 + I_3 R_3$
and others.

2. sources E_1, E_2 etc. in the other branches are taken into
account experimentally. The solution
after that.

BS 87

Moscow Power Engineering Inst.

BOGATYREV, O.M., kandidat tekhnicheskikh nauk (Moskva)

A modification of Heaviside's formula. Elektrichestvo no.2:36-38
P '57. (MLRA 10:3)
(Vector analysis)

BOGATYREV, O.M., kand.tekhn.nauk (Moskva)

A simple approximate method for calculating processes described
by a Duhamel integral. Elektrichestvo no.12:50-54 D '57.

(Electric circuits)

(MIRA 10:12)

KONORSKIY, B., prof.; SAVYUK, V., inzh. (Krayova, Rumyniya); CHAKI, F.,
kand. tekhn. nauk (Budapesht, Vengriya); GRESHNIYAKOV, V.M., inzh.;
MODEROV, A.A., inzh.; SAPOZHNIKOV, R.A., doktor tekhn. nauk, prof.;
SAPERSHTEYN, N.D., kand. fiz.-mat. nauk; BOGATYREV, O.M., kand.
tekhn. nauk (Moscow).

Modification of the Heaviside formula. Elektrichestvo no.3:86-88
Mr '58. (MIRA 11:5)

1. Lodzinskiy politekhnicheskiy institut, Pol'sha (for Konorskiy).
2. Leningradskiy politekhnicheskiy institut imeni Kalinina (for
Greshniyakov, Moderov). 3. Leningradskiy voyenno-mekhanicheskiy
institut (for Sapozhnikov, Sapershteyn).
(Electric engineering)

BOGATYREV, O.M., kand.tekhn.nauk

Simple approximation method for calculating processes in circuits
having parameters varying with the time. Izv. vys. ucheb. zav.;
energ. no.7:53-62 J1 '58. (MIRA 11:10)

1. Moskovskiy aviatsionnyy institut imeni Sergo Ordzhonikidze.
(Electric circuits)

USPENSKAYA, N.V.; ISTRATOV, V.N., kand.tekhn.nauk; DMITRIYEV, S.N.;
SUROV, M.G.; BOGATYREV, O.M.; KUPALYAN, S.D., kand.tekhn.
nauk; KAMENSKIY, A.V.; KAMENSKIY, A.V.; TIMOFEYEV, A.B.;
KHUKHRIKOV, S.S.; ANTONOVA, S.D., izdat.red.; ZUDAKIN, I.M.,
tekhn.red.

[Collection of problems pertaining to the theoretical
principles in electrical engineering] Sbornik zadach po
teoreticheskim osnovam elektrotekhniki. Pod red. V.N.Istra-
tova i S.D.Kupaliana. Moskva, Gos.izd-vo obor.promyshl.,
1959. 124 p. (MIRA 13:1)

1. Moscow. Aviatsionnyy institut imeni Sergo Ordzhonikidze.
(Electricity--Problems, exercises, etc.)

BOGATYREV, O.M., dotsent, kand.tekhn.nauk

Calculation of circuits with nonlinear inertia elements.
Elektrichestvo no.1: 69-76 Ja '61. (MIRA 14:4)

1. Moskovskiy aviatsionnyy institut.
(Electronic circuits)

BOGATYREV, O.M., kand. tekhn. nauk (Moskva)

Determination of current stability during the action of a
periodic e.m.f. with random form. Elektrichestvo no.12:
16-24 D '63. (MIRA 17:1)

BOGATYREV, O.M.

Letter to the editor. Elektrichestvo no.7:91 J1 '64. (MIRA 17:11)

YAKHINSON, B.I. (Odessa); KAPLYANSKIY, A.Ye. (Leningrad); ~~POGORELYY, G.M.~~
(Moskva)

Order of the differential equation of a transient process in a
complex electrical network. Elektricheskie svyazi, 1974, Ag 15.
(MIRA 17:11)

BOGATYREV, O.M., kand. tekhn. nauk, dotsent

Calculation of transient processes in linear circuits for
arbitrary switching conditions. Elektrichestvo no.2:67-70
F '65. (MIRA 18:3)

1. Moskovskiy aviatsionnyy institut im. Ordzhonikidze.

BOGATYREV, O.M.

Khevisaid's universal formula. Elektrichestvo no.3:88 Mr '65.
(MIRA 18:6)

SOV/84-58-11-48/58

AUTHORS: Bogatyrev, P., Kukhterin, Ye., Engineers

TITLE: Stationary Equipment in Aircraft Servicing (Statsionarnoye oborudovaniye dlya obsluzhivaniya samolotov)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 11, pp 34-35 (USSR)

ABSTRACT: The authors tell about the installation of stationary tanks for fueling aircraft used at airports of the Kazakh GVF Territorial Administration for the past years. Their low cost resulted in considerable annual savings. Two drawings illustrate the mobile and stationary arrangements used in fueling aircraft. There is one photograph.

Card 1/1

L 40791-65 BWT(m)/EPP(o)/T Pr-4 DJ/WZ
ACCESSION NR: AP5008457

5/0308/64/000/012/0028/0030

AUTHOR: Bogatyrev, P. (Head of thermal engineering party)

TITLE: Nozzles with hydraulic locking of the needle

SOURCE: Morskoy flot, no. 12, 1964, 28-30

TOPIC TAGS: diesel engine, injection nozzle, injector, hydraulic device, fuel atomizer, fuel corrosion/ RDV136 engine, 4MVD224 engine, D: 1. 011

ABSTRACT: Starting with the work performed at the Leningrad Polytechnical Institute (Leningrad Polytechnical Institute), the engineer designed a diesel fuel injector with a hydraulically operated needle.

corrosion of metal, caused by sulfur present in diesel fuel, in the hydraulic fluid. The design of the nozzle is shown in Fig. 1 on the drawing. Here, 1 is the tank for hydraulic oil, 2 is the oil pump, 3 is the hydraulic accumulator, 4 is the pressure valve, and 5 is the hydraulically operated nozzle. In operation, oil from 1 is pumped by 2 through the one-way valve to the hydraulic accumulator 3 and the nozzle 5. Surplus oil is discharged through the intake tube of the pump. Acting under pressure near to the nozzle.

Coin 1/3

L 40791-65

ACCESSION NR: AP5008457

pressure, hydraulic oil supports the injector needle when the fuel is not being fed. During the feeding cycle the fuel pressure on the needle overcomes the hydraulic pressure, lifts the needle, and allows the injection of fuel into the cylinder. This design calls for a less exacting surface finish than the mechanically loaded mechanical type, and it also utilizes the hydraulic pressure to assist in the use of a hollow needle which is more wear resistant, and at the same time several parts of the mechanically operated assembly. Tested in engine No. 1, LNVD224 with hydraulic oil DP-11, it extended the working life of the injectors to 40 times over and proved to be economical in fuel consumption. In the last 10 years the auxiliary engines of several ships have been provided with this type of injectors. Orig. art. has: 1 figure.

ASSOCIATION: Upravleniye arkticheskogo ledokol'nogo flota Severnogo parokhodstva
(Administration of the Arctic Ice-Breaking Fleet of Northern)

SUBMITTED: 00

ENCL: 01

SUB CODE: 1E

NO REF SOV: 000

OTHER: 000

Card 2/3

BOGATYREV, P. G.

"Traditsiya i improvizatsiya v narodnom tvorchestve."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

BOGATYREV, P.I. Eng.

Conveying Machinery

Roller conveyer with cam pusher
Vest. mash, 32, no. 1, 19~~82~~

BOGATYREV, P.I., inzhener.

Machine for removing corrosion from steel parts. Vest.mash.34 no.4:74-75
Ap '54. (MIRA 7:5)
(Steel--Corrosion)

S/193/62/000/003/005/005
A004/A101

AUTHOR: Bogatyrev, P. I.

TITLE: On the co-ordination of scientific research and design and planning work in the field of high-pressure vessel production

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 3, 1962, 69 - 70

TEXT: The author presents a report on the technical conference which was convened by the GNTK RSFSR in 1961 with the aim to co-ordinate the scientific research and experimental designing work and the large-scale manufacture of high-pressure vessels. The problem was raised mainly owing to the necessity of supplying, in the first place, the mineral fertilizer industry with a sufficient number of high-pressure vessels which, at high temperatures, pressures and subjected to a high aggressiveness of the working media, would have a long service life. Moreover, a number of other fields of application are enumerated where high-pressure vessels are required to an increasing extent. It was pointed out that both the present technology of manufacturing high-pressure vessels and their designs are not satisfactory. Besides, hitherto, the greater part of these ves-

Card 1/3

On the co-ordination of...

S/193/62/000/003/005/005
A004/A101

sels has been manufactured in non-specialized plants from seamless-forged casings, which resulted in a metal waste of 70% of the casing gross weight. According to the preliminary data of the Irkutsk NIIKhimmash, the price per ton of seamless-forged vessels calculated for 320 atm pressure exceeds that of spiral columns by 30%. Since 1958, forged and welded vessel structures have been produced from 22K and 40 grade steel (with operation temperature of the walls of less than 150°C) and from 25X3HM (25KhZNM) grade steel (for operating temperatures exceeding 150°C) by the electroslag process. The author reports on a number of papers read at the conference, enumerates the various manufacturing methods of high-pressure vessels and cites the statement of a representative of the Electric Welding Institute im. Academician Paton on the advantages of electroslag welding compared to electric arc welding in the construction of high-pressure vessels. Besides, it was suggested to replace the 25KhZNM grade steel by the 17ГХЗМФ (17GKhZMF) grade developed by the Institute. The representatives of the Gosudarstvenny institut azotnoy promyshlennosti (State Institute of the Nitrogen Industry), GIAP, stressed the necessity of developing new steel grades meeting the requirements of hydrogen resistance in connection with the planned pressure increase in the ammonia synthesis from 320 to 450 atm. The author reports on a

Card 2/3

On the co-ordination of...

S/193/62/000/003/005/005
A004/A101

number of resolutions passed at the conference and on decisions taken by the Volgograd Sovnarkhoz, Electric Welding Institute im. Academician Paton, and other organizations, concerning the further development of high-pressure vessel construction.

Card 3/3

BOGATYREV, P.I.

Conference on the rubberizing of equipment. Biul.tekh.-ekon.inform.-
Gos.nauch.-issl.inst.nauch. i tekhn.inform. no.8:80-82 '62.

(Rubber coatings)

(MIRA 15:7)

BOGATYREV, P.I.

Equipment for enterprises of the chemical industry. Biul.
tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh.
inform. 17 no.3:24-28 '64. (MIRA 17:9)

BOGATYREV, P.I.

Work of the research laboratories of the Moscow Institute of Chemical
Machinery. Biul. tekhn.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekhn.
inform. 18 no.4:64-65 Ap '65. (MIRA 18:6)

Tests on the boiling of fabrics without pressure. N. M. ROMANOV AND P. M. BOGATYREV. *Izvestiya Tekhn. Prom. i. Torgov.* 9, Nos. 8-9, 91-3(1930); *Khimie & industrii* 25, 1499.—The process recommended is: Desize the goods with hot water in the usual manner, wash, place without packing in a Stepanov-type boiler (charging hole 70 cm. in diam.), add (per 300 kg. of goods) liquor contg.: NaOH 36, Na₂CO₃ 9, 37° B_e. Na silicate 9, 38° B_e. NaHSO₃ 9, T "contact" 9 kg. Boil 1 hr. at 80-85°, circulating the liquor continuously through a superheater, dump the liquor, wash the goods in the boilers with 2000 l. of hot and then cold water, chlorinate at 15° with NaOCl soln. contg. 0.76 g. available Cl per l., let stand 3 hrs., wash, acidify with 0.15° B_e. H₂SO₄ and wash. When a purer white is required, the chlorination is followed by a second boiling for 1 hr. at 81° with a liquor contg. 18 kg. NaOH and 9 kg. Na₂CO₃ and the subsequent treatments are the same as those after the 1st boiling. The goods treated in this way have a good capillarity and the fibers are not attacked. A. P. C.

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

26

1ST AND 2ND COVERS

PROCESSES AND PROPERTIES INDEX

Facta lacquers. P. M. Bogatyrev, S. M. Dridze and I. A. Kuz'yuberdin. Rum. 63,389, June 30, 1939. A dispersion of synthetic rubber in vegetable or fish oils is heated to 130°, treated with S. dild. with white spirit, treated with more S at 110-16°, dild. with white spirit, and treated with resin ester and a resin.

1ST AND 2ND COVERS

PROCESSES AND PROPERTIES INDEX

Facta lacquers. P. M. Bogatyrev, S. M. Dridze and I. A. Kuz'yuberdin. Rum. 63,389, June 30, 1939. A dispersion of synthetic rubber in vegetable or fish oils is heated to 130°, treated with S. dild. with white spirit, treated with more S at 110-16°, dild. with white spirit, and treated with resin ester and a resin.

CP

PROCESSES AND PROPERTIES

Artificial resins. H. I. Ardashov and P. M. Bogatyrev.
Russ. 83,396, June 30, 1938. The product of interaction
of anthracene with maleic anhydride is heated with poly-
atomic alcs., such as glycerol or glycol, until resins of the
desired m. p. and hardness are obtained.

13

COMMON ELEMENTS

OPEN

MATERIALS

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

ROOM

SECOND DIV ONE ONE

THIRD DIV

FOURTH DIV

FIFTH DIV

SIXTH DIV

SEVENTH DIV

EIGHTH DIV

NINTH DIV

TENTH DIV

ELEVENTH DIV

TWELFTH DIV

THIRTEENTH DIV

FOURTEENTH DIV

FIFTEENTH DIV

SIXTEENTH DIV

SEVENTEENTH DIV

EIGHTEENTH DIV

NINETEENTH DIV

TWENTIETH DIV

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CA 26

Oil base for paints. P. M. Bogatyrev, S. M. Dykter, I. A. Kuryuberdin and A. T. Lyubimova. Russ. 53,400, June 30, 1938. The aging of oil films is retarded by adding 1-3% of diazoaminobenzene to the raw oil contg. the usual driers.

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

26

ca

Drying oil. P. M. Bogatyrev, S. M. Dridze and S. P. Martishin. Russ. 63,779, Aug. 31, 1938. Castor oil is heated under agitation with aromatic or aliphatic sulfonic acids above 230°. After completion of the reaction the sulfonic acids are treated with metal oxides or metallic Zn at 200-205°.

ASS. SLA METALLURGICAL LITERATURE CLASSIFICATION

1938-1947

1948-1957

1958-1967

1968-1977

1978-1987

1988-1997

2000-2009

2010-2019

2020-2029

2030-2039

2040-2049

2050-2059

2060-2069

2070-2079

2080-2089

2090-2099

2100-2109

2110-2119

2120-2129

2130-2139

2140-2149

2150-2159

2160-2169

2170-2179

2180-2189

2190-2199

2200-2209

2210-2219

2220-2229

2230-2239

2240-2249

2250-2259

2260-2269

2270-2279

2280-2289

2290-2299

2300-2309

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2330-2339

2340-2349

2350-2359

2360-2369

2370-2379

2380-2389

2390-2399

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2990-2999

3000-3009

3010-3019

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3100-3109

3110-3119

3120-3129

3130-3139

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3160-3169

3170-3179

3180-3189

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3990-3999

4000-4009

4010-4019

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4090-4099

4100-4109

4110-4119

4120-4129

4130-4139

4140-4149

4150-4159

4160-4169

4170-4179

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4190-4199

4200-4209

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4670-4679

4680-4689

4690-4699

4700-4709

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4750-4759

4760-4769

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100																									
CA PROCESSES AND PROPERTIES INDEX Filter fabrics for aluminum-producing plants. P. M. Lopyrev and K. V. Vinogradov. <i>Izvest. Nauch.-Issledovatel. Rabot No. 3, 90-95 (1930); Akim. Referat. Ser. 1940, No. 8, 113.</i> The effects on cotton filter of alkali and of iron impurities were investigated. Cotton yarn was heated for 10, 20 and 30 hrs. at 85-7° in a soln. contg. $Al(OH)_3$, 50 g., $NaOH$ 85 g. and Na_2CO_3 40 g./l., a soln. contg. $NaOH$ and Na_2CO_3 in the same amts. and a soln. of same compn. as the first soln. except for the addn. of $FeSO_4$, 0.5 g./l. After each treatment the samples were washed with H_2SO_4 (4 g./l.) and with water and dried to const. wt. Destruction of the yarn was greatest in the soln. contg. $FeSO_4$. The strength decreased more on periodical extn. of the yarn during the heating process and letting it stand in the air for 10 min. after every hr. of heating. Drying of the yarn moistened with alk. solns. also reduced its strength. W. R. Henn ASB-31.4 METALLURGICAL LITERATURE CLASSIFICATION																									

PA

27

PROCESSES AND PROPERTIES INDEX

Determination of acetyl values [of oils]. P. M. Bogatyrev, S. M. Druke and N. A. Roshnova. *Org. Chim. Ind.* (U. S. S. R.) 6, 558-9 (1930).—One hundred g. of oil is heated at 75° with 3-5 g. of $p\text{-C}_6\text{H}_4\text{Me.SO}_3\text{H}$, 70 ml. of white spirit is added, and the soln. is heated in a Dean-Stark app. for 80 min. at 150-180°; the Ac value is given by 28π , where π is the vol. of H_2O collected.

B. C. P. A.

ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
Alkyd resins. P. M. Bogdanov and S. M. Fridt. Russ. 37,323, June 30, 1940. Glycerol is condensed with phthalic anhydride together with a distillate obtained in the dehydration of castor oil. This distillate is first freed of enanthol and undecylic acid.																			
ASS. S.A. METALLURGICAL LITERATURE CLASSIFICATION																			
1ST DIVISION										2ND DIVISION									
1ST ORDER										2ND ORDER									

26

Varshch. P. M. Bogatyrev, S. M. Dribze and E. I. Fomicheva. Russ. 58,454, January 31, 1941. The paste-like reaction product of alizarin and Al salt in a vegetable oil reaction medium is incorporated in oil varnishes or nitro enamels.

ASD-31A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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USSR/Chemistry ~~BOGATYREV, P. M.~~ Pigments, Anticorrosion coatings

FD-2648

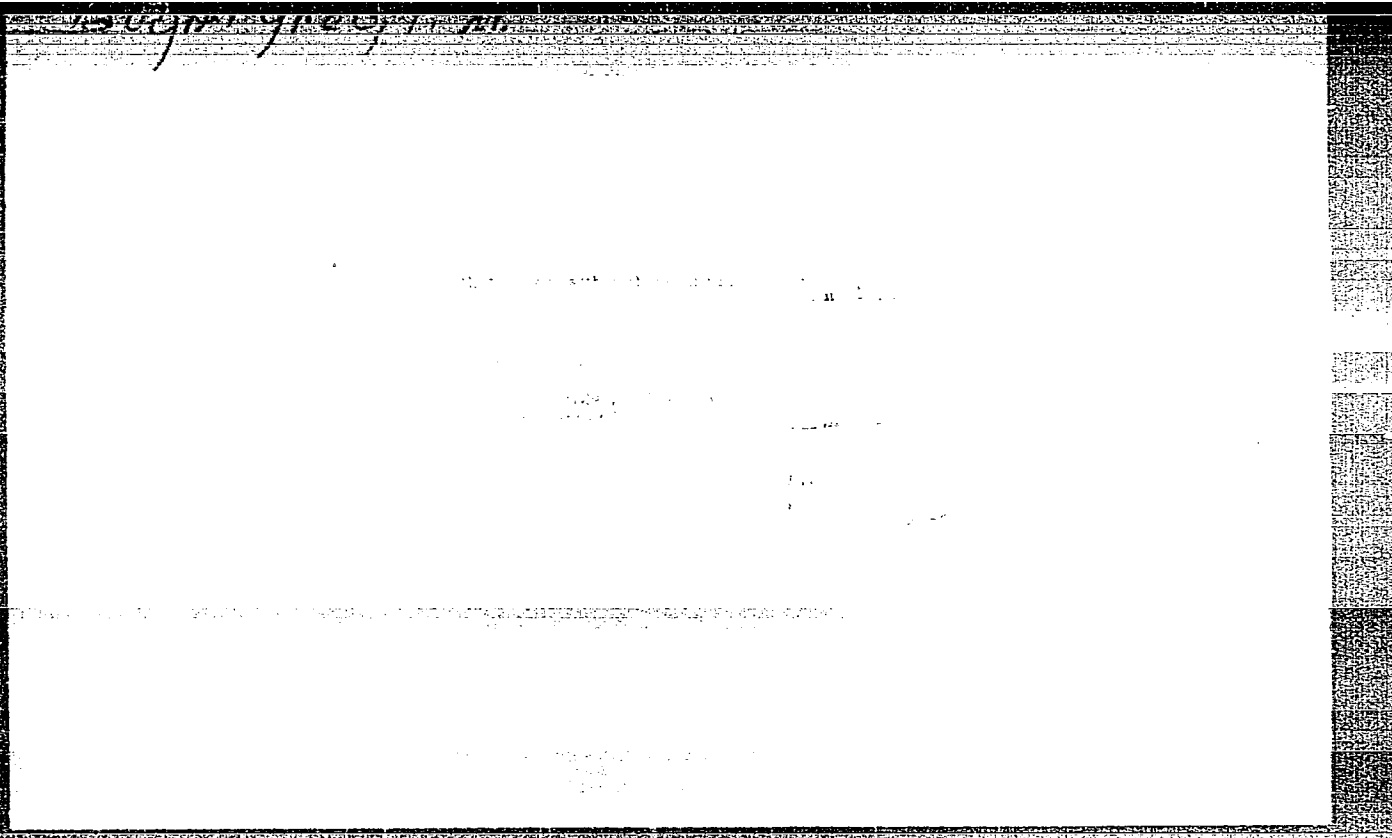
Card 1/1 Pub. 50-13/18

Authors : Bogatyrev, P. M., Navyazhskaya, E. A.

Title : Determination of free potassium chromate in an anticorrosion pigment

Periodical : Khim. prom. No 3, 162-164, Apr-May 1955

Abstract : A procedure for the determination of free potassium chromate in potassium-barium chromate which serves as an anticorrosion pigment is described.



5(3)

SOV/63-4-3-5/31

AUTHORS: Bogatyrev, P.M., Candidate of Technical Sciences, Rozovskaya, N.N.

TITLE: Copolymers of Styrene With Oils and Alkyd Resins

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1959, Vol 4, Nr 3,
pp 322-326 (USSR)

ABSTRACT: Copolymers of styrene with alkyd resins are hard, have a high water and alkali resistance and dry rapidly. Recently vinyltoluene is also used instead of styrene, because its resins are more compatible with aliphatic hydrocarbons [Ref 4, 5]. The copolymerization of styrene with unsaturated fatty acids is determined by the presence of conjugated or isolated double bonds [Ref 6, 7, 16]. An increase of temperature and a reduction of the styrene concentration lowers the rate of the homopolymerization of styrene and raises the interaction rate of styrene with fatty acids. A too high temperature leads to the formation of polystyrene which causes dull varnish films. The copolymerization of oils with styrene in a solution requires the application of initiators. Otherwise only 75 - 80% of the styrene monomer is transformed. Tertiary butyl peroxide is the initiator mostly used. In block copolymerization the heated oil is introduced into a mixture of styrene and peroxide.

Card 1/3

Copolymers of Styrene With Oils and Alkyd Resins

SOV/63-4-3-5/31

After that the temperature is raised to 200°C and higher [Ref 30]. Tung oil is rarely used in the production of oilstyrene resins, since the eleostearic acid strongly inhibits the polymerization of styrene. The content of tung oil must not exceed 5 - 10% mole [Ref 32]. The block method is used in the USSR [Ref 30]. A continuous production method at higher temperature, viz. 280°C, is mentioned in References 36, 37. Alkyd-styrene resins are prepared by copolymerization of alkyd resins with styrene in a xylene medium. The reaction proceeds at 140°C and lasts 20 hours. Homogeneous resins are obtained if the alkyd resins contain a small quantity of polyesters of the maleic acid. Alkyl peroxides with a high temperature of decomposition are used as initiators in order to increase the yield and the reaction rate. Alkyd-styrene resins with a content of 40% oil and 30% styrene are used in the painting of motorcars, heavy equipment and ship decks; with a content of 15 - 25% of styrene they are used for primers and enamels of hot drying; with a content of 10% they are used as binding material in primers.

Card 2/3

Copolymers of Styrene With Oils and Alkyd Resins

SOV/63-4-3-5/31

There are 44 references, 2 of which are Soviet, 27 English, 9 American,
3 German, 1 Australian, 1 Canadian and 1 French.

Card 3/3

15.7140

28013
Z/011/61/018/007/003/008
E073/E535

AUTHORS: Rozovskaya, N.N., Bogatyrev, P.M., Nesterova, N.M. and Alekhina, R.N.

TITLE: Copolymerization of alkyd resins with styrene in the presence of peroxide initiators

PERIODICAL: Chemie a chemická technologie; Přehled technické a hospodářské literatury, v.18, no.7, 1961, p.331, abstract Ch61-4606 (Lakokrasochnyye materialy, no.4, 1960, 3-6)

TEXT: Copolymerization of alkyd resins with styrene is accelerated considerably and the molecular weight of the formed polymers and copolymers is appreciably reduced in the presence of oxygen from the air. Tertiary butyl peroxide is the best initiator and its presence brings about an appreciable increase in the viscosity of the reaction mixture. For this reason low viscosity alkyds, produced by the azeotropic method, have to be used. 1 figure, 3 tables, 7 references.

[Abstractor's Note: Complete translation.]

Card 1/1

4X

Z/011/61/018/001/008/014
E112/E453

AUTHORS: Bogatyrev, P.M., Stan'ko, N.G. and Golda, N.M.
TITLE: Study of side-reactions during the synthesis of alkyd resins
PERIODICAL: Chemie a chemicka technologie, 1961, Vol.18, No.1, p.32, abstract CH 61-441 (Lakokras. Materialy, 1960, No.1, pp.6-13)

TEXT: Most important side-reactions are: polymerization of double-bonds of the fatty acids, formation of polyglycerides and their esters, and pyrolysis of glycerole esters. Resin FPV-2, which is a glyptal resin modified by acids of sunflower-seed oil, was taken as model substance. It was established that if oils are used for the synthesis, polyglyceroles and polyglycerides are formed not only during alcoholysis but also on esterification. The pyrolysis of the glycerole esters is affected by temperature, duration of esterification and reaction medium, and leads to losses of phthalic anhydride. 4 diagrams, 6 tables, 20 literature references.

[Abstractor's note: Complete translation.]

Card 1/1

SAKHARNOV, A.Y.; BOGATYREV, P.M.; SHENDEROVICH, S.I.

Methods for the dephenolization of waste waters. Lakokras.mat.1
ikh prim. no.5:37-40 '60. (MIRA 13:11)
(Sewage—Purification) (Phenols)

PIKTORINSKAYA, N.K.; SHUB, D.M.; BORODINA, M.L.; BOGATYREV, P.M.

Increasing the resistance to chalking of muffle zinc whites in
air. Lakokras. mat. i ikh prim. no. 6:21-26 '60. (MIRA 13:12)
(Zinc oxide)

BOGATYREV, P.M.; NAVYAZHSKAYA, E.A.; SPORYKHINA, V.S.

Photocolorimetric method for determining free diphenylpropane
in epoxide resins. Lakokras. mat. iikh prim. no. 6:53-55
'60. (MIRA 13:12)

(Epoxy resins) (Propane)

BOGATYREV, P.M.; NAVYAZHSKAYA, E.A.; SPORYKHINA, V.S.

Rapid methods for determining calcium and combined formaldehyde
in pentaerythritol. Lakokras.mat. i ikh prim. no.2:66-69 '61.
(MIRA 14'4)

(Calcium—Analysis) (Formaldehyde)
(Pentaerythritol)

SALOVA, A.S.; ANTONOVA-ANTIPOVA, I.P.; LEVKOVICH, G.A.; BOGATYREV, P.M.

Impurities in diphenylpropane. Lakokras.mat.i ikh prim. no.1:
71-72 '62. (MIRA 15:4)
(Propane)

BOGATYREV, P.M.; NAVYAZHSKAYA, E.A.; SPORYKHINA, V.S.

Rapid methods of colorimetric determination of magnium and
calcium in anatase modified titanium dioxide. Lakokras.mat.
i ikh prim. no.3:68-69 '62. (MIRA 15:7)
(Titanium dioxide--Analysis)
(Magnium) (Calcium)

BOGATYREV, P.M.; GADZHIYEVA, R.G.; MUHZANEVA, Z.M.; MUROMTSEV, A.K.;
KUTSEVALOVA, Ye.P.

Thirteenth technical exhibition organized by the Oil and Colour
Chemists' Association in England. Lakokras. mat. i ikh. prim.
no.4:61-69 '61. (MIRA 16:7)

(Great Britain--Paint materials--Exhibitions)

SMIRNOV, V.K.; LYAMSHINA, Ye.N.; BOGATYREV, P.M.

New chemically resistant systems of coatings. Lakokras. mat.
i ike prim. no.6:23-25 '61. (MIRA 15:3)
(Protective coatings)

BOGATYREV, P.M.; NAVYAZHSKAYA, E.A.; SPORYKHINA, V.S.

Photocolorimetric determining of small quantities of phenol
in diphenol propane. Lakokras.mat. i ikh prim. no.4: 51-52
'62. (MIRA 16:11)

TUMANOV, A.T., glav. red.; VYATKIN, A.Ye., red.; GARBAR, M.I., red.; ZAYMOVSKIY, A.S., red.; KARGIN, V.A., red.; KISHKIN, S.T., red.; KISHKINA-RATNER, S.I., doktor tekhn. nauk, red.; PANSIN, B.I., kand. tekhn. nauk, red.; ROGOVIN, Z.A., red.; SAZHIN, N.P., red.; SKLYAROV, N.M., doktor tekhn. nauk, red.; FRIDLYANDER, I.N., doktor tekhn. nauk, red.; SHUBNIKOV, A.V., red.; SHCHERBINA, V.V., doktor geol.-miner. nauk, red.; SHRAYBER, D.S., kand. tekhn. nauk, red.; GENEL', S.V., kand. tekhn. nauk, red.; VINOGRADOV, G.V., doktor khoz. nauk, red.; NOVIKOV, A.S., doktor khoz. nauk, red.; KITAYGORODSKIY, I.I., doktor tekhn. nauk, red.; ZHEREBKOV, S.K., kand. tekhn. nauk, red.; BOGATYREV, P.M., kand. tekhn. nauk, red.; SANDOMIRSKIY, D.M., D.M., kand. tekhn. nauk, red.; BUROV, S.V., kand. tekhn. nauk, red.; POTAK, Ya.M., doktor tekhn. nauk, red.; KUKIN, G.N., doktor tekhn. nauk, red.; KOVALEV, A.I., kand. tekhn. nauk, red.; YAMANOV, S.A., kand. tekhn. nauk, red.; SHEFTEL', I.A., kand. khoz. nauk, st. nauchn. red.; BABERTSYAN, A.S., inzh., nauchn. red.; BRAZHNIKOVA, Z.I., nauchn. red.; KALININA, Ye.M., mlad. red.; SOKOLOVA, V.G., red.-bibliograf; ZENTSEL'SKAYA, Ch.A., tekhn. red.

[Building materials; an encyclopedia of modern technology] Konstruktsionnye materialy; entsiklopediya sovremennoi tekhniki. Glav. red. A.T.Tumanov. Moskva, Sovetskaia entsiklopediya. Vol.1. Abliatsiia - korroziia. 1963. 416 p. (MIRA 17:3)

1. Chlen-korrespondent AN SSSR (for Kishkin).

BOGATYREV, P.M.; CHEL'TSOVA, M.S.; SHABANOVA, M.G.

Aluminum-containing compounds for the paint and varnish
industry (survey of the literature). Lakokras.mat.i ikh
prim. no.1:81-84 '63. (MIRA 16:2)
(Aluminum organic compounds)
(Paint materials)

BOGATYREV, P.M.; ZHEBROVSKIY, V.V. LOSEVA, N.S.; Prinimali uchastiye:
REMIZOVA, K.A.; DLUGACH, L.I.; MURASHEVA, R.A.; PASHCHENKO, M.K.;
MARTYUSHOV, B.I.; STORCHAY, Ye.I.

Lacquer and paint coatings withstanding very low temperatures. Lakokras.
mat. i ikh prim. no.2:6-9 '63. (MIRA 16:4)
(Protective coatings--Testing) (Polymers)

BOGATYREV, P.M.; NAVYAZHSKAYA, E.A.; SPORYKHINA, V.S.

Photocolorimetric determination of free diphenylolpropane
(phenol hydroxyls) in epoxy resins. Trudy Kom.anal.khim.
13:183-187 '63. (MIRA 16:5)

1. Nauchno-issledovatel'skiy i proyektnyy institut No.4.
(Phenol) (Epoxy resins)

BOGATYREV, P.M.; NAVYAZHSKAYA, E.A.; SPORYKHINA, V.S.

Rapid method for the calorimetric determination of magnesium
in a preparation of titanium dioxide of anatase modification
using magneson (prepared by the Institute of Chemical Reagents).
Trudy IREA no.25:240-243 '63. (MIRA 18:6)

TUMANOV, A.T., glav. red.; VYATKIN, A.Ye., red.; GARBAR, M.I., kand. tekhn. nauk, red.; ZAYMOVSKIY, A.S., red.; KARGIN, V.A., red.; KISHKIN, S.T., red.; KISHKINA-RATNER, S.I., doktor tekhn. nauk, red.; PANSHEV, B.I., kand. tekhn. nauk, red.; ROGOVIN, Z.A., doktor khos. nauk, red.; SAZHIN, N.P., red.; SKLYAROV, N.M., doktor tekhn. nauk, red.; FRIDLYANDER, I.N., doktor tekhn. nauk, red.; SHUBNIKOV, A.V., red.; SHCHERBINA, V.V., doktor geol.-miner. nauk, red.; SHRAYBER, D.S., kadn. tekhn. nauk, red.; GENEL', S.V., kand. tekhn. nauk, red.; NOVIKOV, A.S., doktor khoz. nauk, red.; KITAYGORODSKIY, I.I., doktor tekhn. nauk, red.; ZHEREBKOV, S.K., kand. tekhn. nauk, red.; BOGATYREV, P.M., kand. tekhn. nauk, red.; BUROV, S.V., kand. tekhn. nauk, red.; POTAK, Ya.M., doktor tekhn. nauk, red.; KUKIN, G.N., doktor tekhn. nauk, red.; KOVALEV, A.I., kand. tekhn. nauk, red.; ZENTSEL'SKAYA, Ch.A., tekhn. red.

[Building materials; an encyclopedia of modern technology]
 Konstruktsionnye materialy; entsiklopediia sovremennoi tekhniki. Glav. red. Tumanov, A.A. Moskva, Sovetskaya entsiklopediia. Vol.1. Abliatsiia - Korroziia. 1963. 416 p.
 (MIRA 17:2)

1. Chlen-korrespondent AN SSSR (for Kishkin).

BOGATYREV, P. M.; CHEL'TSOVA, M. S.

"Primeneniye nekotorykh vnutrikompleksnykh soedineniy alyuminiya dlya fotostabilizatsii alkidnykh pokrytiy."

report submitted for 35th Intl Cong, Industrial Chemistry, Warsaw, 15-19 Sep 64.

L 41060-65 EWG(j)/EWA(h)/ENP(j)/EWT(m)/I/EWA(1) Pc-4/PeB RM
 ACCESSION NR: AP5007138 S/0303/65/000/001/0006/0011

AUTHOR: Chel'tsova, M.S.; Bogatyrev, P.M.; Kushnarenko, N.A.

TITLE: Effect of some aluminum chelates on the resistance of alkyd coatings to ultraviolet radiation

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 1, 1965, 6-11

TOPIC TAGS: alkyd resin, alkyd coating, aluminum chelate, polymer radiation resistance, ultraviolet radiation, acetoacetic ester, salicylic acid, dihydroxybenzophenone, glycolphthalic resin, pentaphthalic resin, polymer oxidation

ABSTRACT: The authors studied the strengthening effect of Al-monochelates with acetoacetic ester (1), salicylic acid (2), 2, 4-dihydroxybenzophenone (3) and the bichelates of salicylic acid (4), as well as of mixed Al-bichelates with acetoacetic ester and salicylic acid (5), and with acetoacetic ester and 2,4-dihydroxybenzophenone (6), on the resistance of films of glycolphthalic and pentaphthalic resin films with linseed oil and the bichelates (see Fig. 1 of the Enclosure) were prepared by the reaction of the chelates with solid aluminum isobutyrate (7) with subsequent partial esterification and liberation of isobutyl alcohol and solvent at bath temperatures up to 140-160°C. The properties of the blends indicating the content of active oxygen, and the copper numbers.

Card 1/3

L 41060-65

ACCESSION NR: AP5097138

characterizing the ability to form complex compounds, were determined by Bogatyrev's and Sedlacek's methods, respectively, as the principal characteristics of the oxidation mechanism of the material. The chelates were found to blend well with oil and resins containing oil without affecting film drying, and to be used as a protective coating. A suggestion is made to use the chelates in the production of oil-containing coatings. The chelates are linked with the absorption of UV rays by the chelates and with the oxidation of the oxidation products of oil-containing alkyd resins. "R. V. Anokhina and G. V. Anokhin assisted in the experiments." Orig. art. has: 7 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: MT

NO REF SOV: 008

OTHER: 018

Card 2/3

(A) L 13494-66 EWT(m)/EWP(j) RM

ACC NR: AP6001680

SOURCE CODE: UR/0303/65/000/006/0011/0013

AUTHORS: Yermolayeva, T. A.; Bogatyrev, P. M.; Anufriyeva, N. S.

ORG: none

TITLE: Use of perovskite and titanite concentrates as pigments¹⁹SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 6, 1965, 11-13

TOPIC TAGS: titanium compound, pigment/ PSKh agricultural enamel

ABSTRACT: Use of perovskite (I) and titanite (II) concentrates as atmospherically resistant pigments is proposed. Both I and II contain only 12 to 20% of TiO_2 , and isolation of the latter is complicated and uneconomical. It was found that by calcining I and II concentrates at 800C for 2 hours and then grinding the resulting product, satisfactory pigments are produced. These are pale brown in the case of I and beige in the case of II. These materials were used in the preparation of enamels of brand PSKh for agricultural uses. The products compared favorably with those containing TiO_2 or ZnO in water resistance, hardness, elasticity, impact resistance, and weathering resistance. Orig. art. has: 4 tables.

SUB CODE: 11, 07/ SUBM DATE: none/ ORIG REF: 002

Card 1/1 HW

UDC: 667.622

Z 1347-66 EWT(m)/EPF(c)/ENP(b)/T RPL RM/WW
 ACCESSION NR: AP5024383 UR/0286/65/000/015/0067/0067 43
 667.643 44,55
 AUTHOR: Bogatyrev, P. M.; Loseva, N. S.; Shabanova, A. G.; Yermolayeva, N. V.;
 Chel'tsova, N. S. 44,55
 TITLE: A method for producing enamel. 16, 44,55 Class 22, No. 173362 16
 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 67
 TOPIC TAGS: enamel, protective coating, polymer, organoaluminum compound
 ABSTRACT: This Author's Certificate introduces a method for producing enamel based
 on chlorosulfonated polyethylene a cross-linking agent, pigments and solvents. The
 physical and mechanical properties of the coating are improved by using an aluminum
 monochelate (aluminum diisobutoxymonoacetate) as the cross-linking agent. 15
 ASSOCIATION: none
 SUBMITTED: 02Mar63 ENCL: 00 SUB CODE: MT, OC
 NO REF SOV: 000 OTHER: 000
 Card 1/1

PAVLOV, A.N., otv. za vypusk; VOLODICHEVA, V.N.; IVANOVA, A.I.; KULAKOV, I.N.; LYAMINA, T.N.; MIT'KINA, L.I.; POZINYAKOVA, N.P.; RODIONOVA, L.I.; ROMANOVA, N.M.; SOFIYEV, E.S.; CHICHKINA, A.A.; TRESORUKOVA, Z.G.; BOGATYREV, P.P.; BROVKINA, A.I.; IVANOVA, L.D.; IVASHKIN, G.A.; KAMNEV, N.I.; LYSANOVA, L.A.; OZHEREL'YEVA, Z.I.; PAVLOVA, T.I.; TYUTYUNOVA, N.I.; UMNITSYNA, A.P.; ZHIVILIN, N.N.; ALESHICHENOV, M.P.; VINOGRADOV, V.I.; YEREMIN, F.S.; KRAVCHENKO, Ye.P.; LOVACHEVA, M.V.; NIKOL'SKAYA, V.S.; MAKHOV, G.I.; SKEGINA, A.V.; TAREYEV, A.V.; KHOLINA, A.V.; BRYANSKIY, A.M.; BURMISTROVA, V.D.; GRIGOR'YEVA, A.M.; LUTSENKO, A.I.; OREKHOVA, Z.V.; TEPLINSKAYA, N.V.; FEOKTISTOVA, V.I.; BUTORIN, I.M.; BOCHKAREVA, L.D.; BURENINA, V.A.; VETUSHKO, A.M.; VIKHLYAYEV, A.A.; SOROKIN, B.S.; TSYBENKO, L.T.; KHLBNIKOV, V.N.; DUMNOV, D.I.; STEPANOVA, V.A.; MANYAKIN, V.I., red.; VAKHATOV, A.M.; MAKAROVA, O.K., red.izd-va; PYATAKOVA, N.D., tekhn.red.

[Soviet agriculture; a statistical manual] Sel'skoe khoziaistvo SSSR; statisticheski sbornik. Moskva, 1960. 665 p.

(MIRA 13:5)

1. Russia (1923- U.S.S.R.) TSentral'noye statisticheskoye upravleniye. 2. Upravleniye statistiki sel'skogo khozyaystva TSentral'nogo statisticheskogo upravleniya SSSR (for all except Makarova, Pyatakova).

(Agriculture--Statistics)

BOGATYREV, P.I.

Improving the quality of rubber articles used in the automobile
industry. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch.
i tekhn. inform. 17 no.2:74 '64. (MIRA 17:6)

BOGATYREV, R.T.; VORONOV, Yu.A.; GOLUBENKOV, V.S.; GULYAYEV, P.I.;
SHLIPPENBAKH, N.Ya.

Parabiotic nature of the refractory phase of a single giant nerve
fiber in a squid. Vest. LGU 19 no.3:163-167 '64. (MIRA 17:3)